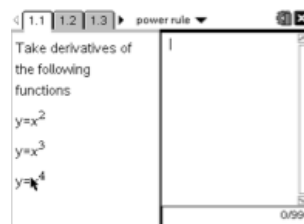


### 3.3a Rules for Differentiation

Use Power Rule.tns to discover the power rule for derivatives



Sep 11-9:07 PM

### Proof of the power rule

Sep 11-9:45 PM

Find  $\frac{dy}{dx}$  if  $y = x^3 + 6x^2 - \frac{5}{3}x + 16$

Sep 11-9:45 PM

Find the horizontal tangents of  $y = x^4 - 2x^2 + 2$

by hand

with the calculator

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higher order derivatives

Sep 11-10:02 PM